RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _____09/613,006_____

Source: _____1600_____

Date Processed by STIC: _____8/22/02_____

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
 PATENTIN 2.1 e-mail help: **patin21help@uspto.gov** or phone 703-306-4119 (R. Wax)
 PATENTIN 3.0 e-mail help: **patin3help@uspto.gov** or phone 703-306-4119 (R. Wax)

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> **http://www.uspto.gov/web/offices/pac/checker**

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3. **Hand Carry directly to:**
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Revised 01/29/2002

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TECH CENTER 1600/2900

1600

Errors on PP.3+5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/613,006

DATE: 08/22/2002
TIME: 15:12:18

Input Set : A:\52949-20001.00.txt
Output Set: N:\CRF4\08222002\I613006.raw

```
 4 <110> APPLICANT: Schena, Mark A.
 6 <120> TITLE OF INVENTION: MICROARRAY METHOD OF GENOTYPING MULTIPLE
 7       SAMPLES AT MULTIPLE LOCI
 9 <130> FILE REFERENCE: 529492000100
11 <140> CURRENT APPLICATION NUMBER: US 09/613,006
12 <141> CURRENT FILING DATE: 2000-07-10
14 <160> NUMBER OF SEQ ID NOS: 30
16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 20
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
23 <220> FEATURE:
24 <221> NAME/KEY: misc_feature
25 <222> LOCATION: 1
26 <223> OTHER INFORMATION: n = adenine with C6 modification
28 <400> SEQUENCE: 1
```

W--> **29 naacagacac catggtgcac**   20

```
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 20
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: 1
39 <223> OTHER INFORMATION: n = cytosine with a C6 modification
41 <400> SEQUENCE: 2
```

W--> **42 nccacagggc agtaacggca**   20

```
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
49 <220> FEATURE:
50 <221> NAME/KEY: misc_feature
51 <222> LOCATION: 1
52 <223> OTHER INFORMATION: n = guanine with a C6 modification
54 <400> SEQUENCE: 3
```

W--> **55 ncaaggtgaa cgtggatgaa**   20

```
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 20
59 <212> TYPE: DNA
60 <213> ORGANISM: Homo sapiens
62 <220> FEATURE:
```

```
        63 <221> NAME/KEY: misc_feature
        64 <222> LOCATION: 1
        65 <223> OTHER INFORMATION: n = guanine with a C6 modification
        67 <400> SEQUENCE: 4
W--> 68 ntaaccttga taccaacctg                                        20
        70 <210> SEQ ID NO: 5
        71 <211> LENGTH: 20
        72 <212> TYPE: DNA
        73 <213> ORGANISM: Homo sapiens
        75 <220> FEATURE:
        76 <221> NAME/KEY: misc_feature
        77 <222> LOCATION: 1
        78 <223> OTHER INFORMATION: n = cytosine with a C6 modification
        80 <400> SEQUENCE: 5
W--> 81 ntggcaccat taaagaaaat                                        20
        83 <210> SEQ ID NO: 6
        84 <211> LENGTH: 20
        85 <212> TYPE: DNA
        86 <213> ORGANISM: Homo sapiens
        88 <220> FEATURE:
        89 <221> NAME/KEY: misc_feature
        90 <222> LOCATION: 1
        91 <223> OTHER INFORMATION: n = thymine with a C6 modification
        93 <400> SEQUENCE: 6
W--> 94 ntctgtatct atattcatca                                        20
        96 <210> SEQ ID NO: 7
        97 <211> LENGTH: 20
        98 <212> TYPE: DNA
        99 <213> ORGANISM: Homo sapiens
       101 <220> FEATURE:
       102 <221> NAME/KEY: misc_feature
       103 <222> LOCATION: 1
       104 <223> OTHER INFORMATION: n = thymine with a C6 modification
       106 <400> SEQUENCE: 7
W--> 107 ngggctgttc taaccccac                                        20
       109 <210> SEQ ID NO: 8
       110 <211> LENGTH: 20
       111 <212> TYPE: DNA
       112 <213> ORGANISM: Homo sapiens
       114 <220> FEATURE:
       115 <221> NAME/KEY: misc_feature
       116 <222> LOCATION: 1
       117 <223> OTHER INFORMATION: n = adenine with a C6 modification
       119 <400> SEQUENCE: 8
W--> 120 nacccactgg agcccctgac                                       20
       122 <210> SEQ ID NO: 9
       123 <211> LENGTH: 20
       124 <212> TYPE: DNA
       125 <213> ORGANISM: Homo sapiens
```

```
      127 <220> FEATURE:
      128 <221> NAME/KEY: misc_feature
      129 <222> LOCATION: 1
      130 <223> OTHER INFORMATION: n = cytosine with a C6 modification
      132 <400> SEQUENCE: 9
W--> 133 ncacaggatc agaggctggg                                          20
      135 <210> SEQ ID NO: 10
      136 <211> LENGTH: 20
      137 <212> TYPE: DNA
      138 <213> ORGANISM: Homo sapiens
      140 <220> FEATURE:
      141 <221> NAME/KEY: misc_feature
      142 <222> LOCATION: 1
      143 <223> OTHER INFORMATION: n = guanine with a C6 modification
      145 <400> SEQUENCE: 10
W--> 146 ngtagtaatg agcgtgcagc                                          20
      148 <210> SEQ ID NO: 11
      149 <211> LENGTH: 15
      150 <212> TYPE: DNA
      151 <213> ORGANISM: Homo sapiens
      153 <220> FEATURE:
      154 <221> NAME/KEY: misc_feature
      155 <222> LOCATION: 1
      156 <223> OTHER INFORMATION: n = guanine with a Cy3 label
      158 <221> NAME/KEY: variation
      159 <222> LOCATION: 9
      160 <223> OTHER INFORMATION: n = a or t
W--> 162 <400> 11
W--> 163 nactcctgng gagaa                                               15
      165 <210> SEQ ID NO: 12
      166 <211> LENGTH: 15
      167 <212> TYPE: DNA
      168 <213> ORGANISM: Homo sapiens
      170 <220> FEATURE:
      171 <221> NAME/KEY: misc_feature
      172 <222> LOCATION: 1
      173 <223> OTHER INFORMATION: n = guanine with Cy5 labels
      175 <400> SEQUENCE: 12
W--> 176 nactcctang gagaa                                               15
      178 <210> SEQ ID NO: 13
      179 <211> LENGTH: 15
      180 <212> TYPE: DNA
      181 <213> ORGANISM: Homo sapiens
      183 <220> FEATURE:
      184 <221> NAME/KEY: misc_feature
      185 <222> LOCATION: 1
      186 <223> OTHER INFORMATION: n = thymine attached to a Cy5 label
      188 <400> SEQUENCE: 13
W--> 189 nggtggtgag gccct                                               15
```

n also found at location 9

```
    191 <210> SEQ ID NO: 14
    192 <211> LENGTH: 15
    193 <212> TYPE: DNA
    194 <213> ORGANISM: Homo sapiens
    196 <220> FEATURE:
    197 <221> NAME/KEY: misc_feature
    198 <222> LOCATION: 1
    199 <223> OTHER INFORMATION: n = thymine attached to a Cy3 label
    201 <400> SEQUENCE: 14
W--> 202 nggtggtaag gccct                                              15
    204 <210> SEQ ID NO: 15
    205 <211> LENGTH: 15
    206 <212> TYPE: DNA
    207 <213> ORGANISM: Homo sapiens
    209 <220> FEATURE:
    210 <221> NAME/KEY: misc_feature
    211 <222> LOCATION: 1
    212 <223> OTHER INFORMATION: n = adenine attached to Cy3
    214 <400> SEQUENCE: 15
W--> 215 ntcatctttg gtgtt                                              15
    217 <210> SEQ ID NO: 16
    218 <211> LENGTH: 15
    219 <212> TYPE: DNA
    220 <213> ORGANISM: Homo sapiens
    222 <220> FEATURE:
    223 <221> NAME/KEY: misc_feature
    224 <222> LOCATION: 1
    225 <223> OTHER INFORMATION: n = thymine attached to a Cy5 label
    227 <400> SEQUENCE: 16
W--> 228 natcatcggt gtttc                                              15
    230 <210> SEQ ID NO: 17
    231 <211> LENGTH: 15
    232 <212> TYPE: DNA
    233 <213> ORGANISM: Homo sapiens
    235 <220> FEATURE:
    236 <221> NAME/KEY: misc_feature
    237 <222> LOCATION: 1
    238 <223> OTHER INFORMATION: n = cytosine attached to a Cy5 label
    240 <400> SEQUENCE: 17
W--> 241 nactgccagg taagg                                              15
    243 <210> SEQ ID NO: 18
    244 <211> LENGTH: 15
    245 <212> TYPE: DNA
    246 <213> ORGANISM: Homo sapiens
    248 <220> FEATURE:
    249 <221> NAME/KEY: misc_feature
    250 <222> LOCATION: 1
    251 <223> OTHER INFORMATION: n = cytosine attached to a Cy3 label
    253 <400> SEQUENCE: 18
```

RAW SEQUENCE LISTING   DATE: 08/22/2002
PATENT APPLICATION: US/09/613,006   TIME: 15:12:18

Input Set : A:\52949-20001.00.txt
Output Set: N:\CRF4\08222002\I613006.raw

```
W--> 254 nactgccggg taagg                                              15
     256 <210> SEQ ID NO: 19
     257 <211> LENGTH: 15
     258 <212> TYPE: DNA
     259 <213> ORGANISM: Homo sapiens
     261 <220> FEATURE:
     262 <221> NAME/KEY: misc_feature
     263 <222> LOCATION: 1
     264 <223> OTHER INFORMATION: n = cytosine attached to a Cy3 label
     266 <400> SEQUENCE: 19
W--> 267 naactggaac cattg                                              15
     269 <210> SEQ ID NO: 20
     270 <211> LENGTH: 15
     271 <212> TYPE: DNA
     272 <213> ORGANISM: Homo sapiens
     274 <220> FEATURE:
     275 <221> NAME/KEY: misc_feature
     276 <222> LOCATION: 1
     277 <223> OTHER INFORMATION: n = cytosine attached to a Cy5 label
     279 <400> SEQUENCE: 20
W--> 280 naactgggac cattg                                              15
     282 <210> SEQ ID NO: 21
     283 <211> LENGTH: 15
     284 <212> TYPE: DNA
     285 <213> ORGANISM: Homo sapiens
     287 <220> FEATURE:
     288 <221> NAME/KEY: misc_feature
     289 <222> LOCATION: 1
     290 <223> OTHER INFORMATION: n = guanine attached to biotin
     292 <221> NAME/KEY: variation
     293 <222> LOCATION: 10          ──────→ n found at 9, but not at 10
     294 <223> OTHER INFORMATION: n = a or t
W--> 296 <400> 21
W--> 297 nactcctgng gagaa                                              15
     299 <210> SEQ ID NO: 22
     300 <211> LENGTH: 15
     301 <212> TYPE: DNA
     302 <213> ORGANISM: Homo sapiens
     304 <220> FEATURE:
     305 <221> NAME/KEY: misc_feature
     306 <222> LOCATION: 1
     307 <223> OTHER INFORMATION: n = thymine attached to biotin
     309 <400> SEQUENCE: 22
W--> 310 nggtggtaag gccct                                              15
     312 <210> SEQ ID NO: 23
     313 <211> LENGTH: 15
     314 <212> TYPE: DNA
     315 <213> ORGANISM: Homo sapiens
     317 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/22/2002
PATENT APPLICATION: US/09/613,006   TIME: 15:12:19
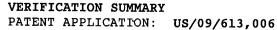
Input Set : A:\52949-20001.00.txt
Output Set: N:\CRF4\08222002\I613006.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1
Seq#:2; N Pos. 1
Seq#:3; N Pos. 1
Seq#:4; N Pos. 1
Seq#:5; N Pos. 1
Seq#:6; N Pos. 1
Seq#:7; N Pos. 1
Seq#:8; N Pos. 1
Seq#:9; N Pos. 1
Seq#:10; N Pos. 1
Seq#:11; N Pos. 1,9
Seq#:12; N Pos. 1,9
Seq#:13; N Pos. 1
Seq#:14; N Pos. 1
Seq#:15; N Pos. 1
Seq#:16; N Pos. 1
Seq#:17; N Pos. 1
Seq#:18; N Pos. 1
Seq#:19; N Pos. 1
Seq#:20; N Pos. 1
Seq#:21; N Pos. 1,9
Seq#:22; N Pos. 1
Seq#:23; N Pos. 1
Seq#:24; N Pos. 1
Seq#:25; N Pos. 1
Seq#:26; N Pos. 1,9
Seq#:27; N Pos. 1
Seq#:28; N Pos. 1
Seq#:29; N Pos. 1
Seq#:30; N Pos. 1

```
L:29  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:42  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:55  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:68  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:81  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:94  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:162 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:296 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:21
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:365 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:26
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
```